



**ÉCOLE
SIR JOHN FRANKLIN
HIGH SCHOOL**

2025-2026

Grade 11 Course Handbook

ÉCOLE SIR JOHN FRANKLIN HIGH SCHOOL

GRADE 11 COURSES



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Sir John Franklin High School

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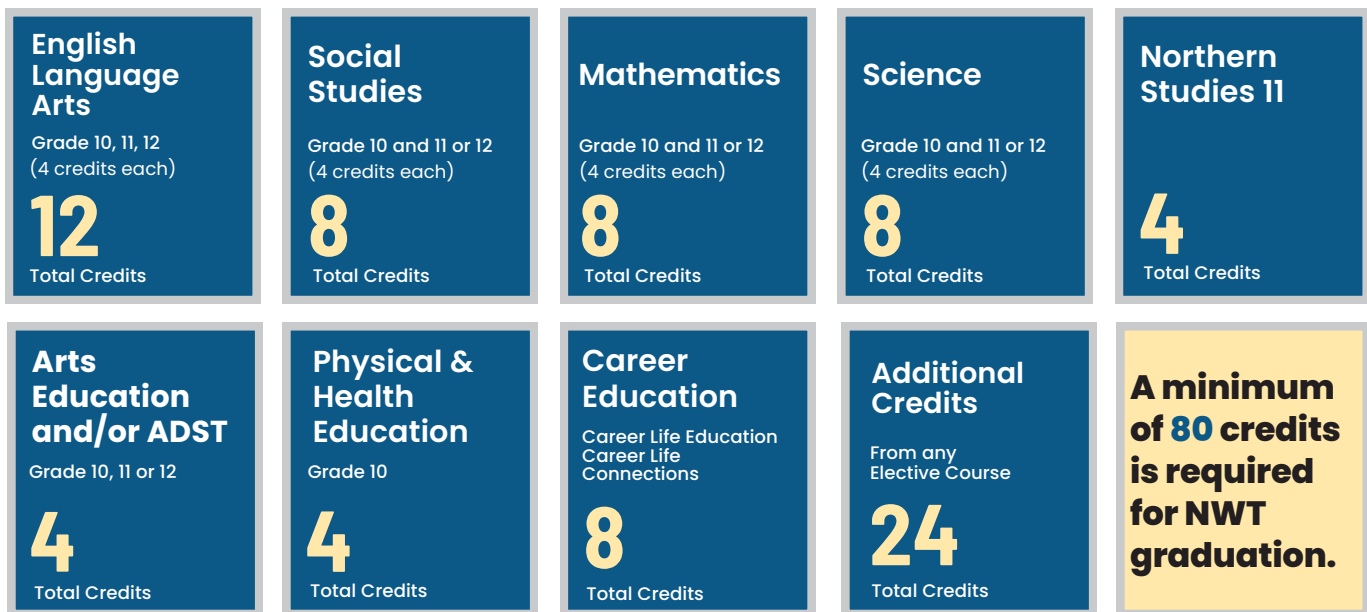
GRADE 11 COURSE SELECTION



INTRODUCTION

The purpose of this course selection document is to provide students with an outline of the courses offered at Sir John Franklin High School. Students are encouraged to talk to their teachers, counselors and parents/guardians to assist in course selection.

It is important to be familiar with the NWT Graduation Requirements for students who entered Grade 9 in the 2023–2024 school year or later when making your selections.



Grade 12 credits – Of the 80 total credits, students must complete a minimum of 16 credits at the grade 12 level including a required Language Arts 12 course and Career Life Connections.

Information

- In order for students to be eligible for awards and participation in extra-curricular activities, students must have a full-time schedule.
 - Grade 11: 80% course load (4 full periods each semester)
 - Grade 12: 60% course load (3 full periods each semester)
- Changes to the language of instruction will not be permitted after the schedule has been created.



English

Composition 11 (4 credits)

Composition 11 is designed to support students as they refine, clarify, and adjust their written communication through practice and revision. Students will read and study compositions by other writers and be exposed to a variety of styles as models for the development of their writing. The course provides opportunities for students to, with increasing independence, study, create, and write original and authentic pieces for a range of purposes and real-world audiences. They will expand their competencies through processes of drafting, reflecting, and revising to build a body of work that demonstrates expanding breadth, depth, and evidence of writing for a range of situations. They will develop confidence in their abilities as they consolidate their writing craft.

Literary Studies 11 (4 credits)

Literary Studies 11 allows students to delve deeply into literature. Students may explore specific themes, periods, authors, or areas of the world through literary works (fiction and non-fiction) in a variety of media.

A range of literary topics allows students to explore their passions and at the same time:

- increase their literacy skills through close reading of appropriately challenging texts
- enhance their development of the English Language Arts curricular competencies, both expressive and receptive
- expand their development as educated global citizens
- develop balance and broaden their understanding of themselves and the world
- further develop higher-level thinking and learning skills

Social Studies

Explorations in Social Studies 11 (4 credits)

Embark on an interdisciplinary journey through history, politics, economics, and culture in Explorations in Social Studies 11. This course empowers students to delve into pivotal global issues, from the impact of technological and social revolutions to the creation and evolution of governance and economic systems. Through competency-based collaborative projects and real-world applications, students will analyze how past decisions shape present realities and how individual and collective actions can influence the future. Students will develop their critical thinking skills and uncover connections between historical events and contemporary challenges, building the knowledge and skills to engage meaningfully with today's complex world.

**Also offered in French based on course requests.*



Northern Studies 11 (4 credits)

Discover what it means to live, learn, and lead in the North! Northern Studies 11 is a dynamic, made-in-the-NWT pilot course that explores the rich history, diverse cultures, and pressing issues shaping our territory today. From northern identity and economy to climate, geography, and movements toward reconciliation, this course will deepen your understanding of what it means to be part of the North's past, present, and future.

Through hands-on learning, student-led inquiry, real-world connections, and meaningful discussions, students will develop the knowledge and skills to become engaged, capable members of their communities. This mandatory Grade 11 course isn't just about learning history—it's about shaping the future.

Science

Chemistry 11 (4 credits)

Chemistry is the branch of science concerned with matter – the thing that has mass and occupies space. Chemistry 11 offers a broad introduction to chemistry. You will study the composition and properties of matter and the changes that matter undergoes. The seven major topics covered in Chemistry 11 include:

- Introduction to Chemistry (measurement, significant figures and units)
- Atoms, molecules and ions (naming and writing formulas)
- Mole Concept
- Chemical Reactions (balancing, predicting products and phases)
- Atomic Theory (history, periodic table and chemical bonding)
- Solution Chemistry
- Organic Chemistry (chemistry of carbon)

Life Sciences 11 (4 credits)

In Life Science 11, students will study the various processes of biology which give rise to the diversity of all life forms on earth. Students will study the different animal and plant groups and the events that lead to their evolution and diversification. Also, they will learn about the process of evolution and classification of life forms.

**Also offered in French based on course requests.*

Science for Citizens 11 (4 credits)

Science for Citizens 11 prepares students for science in the work place and focuses on real-world, practical applications of science. The course focuses on helping students build skills around three big ideas: scientific processes and knowledge impact our daily lives and decisions; how scientific technology and knowledge is used in the workplace; and an understanding of science that enables us, as citizens, to respond and adapt to change on a local and global level.



Physics 11 (4 credits)

Physics is a fundamental science that strives to describe the most basic elements of nature. Through inquiry and problem solving, students survey major themes of physics such as: kinematics-how things move; dynamics-why things move; energy-kinetic, potential, electrical, thermal, and nuclear; as well as waves-sound and light. Nuclear physics, Einstein's Special Theory of Relativity, and other perplexing and interesting problems are explored. Of the senior science courses offered, physics is the most reliant on strong mathematical skills.

Mathematics

In grade 11, students have a choice between three Math programs, depending on post-secondary plans and future career goals. The curricular competencies of Reasoning & Modelling, Understanding & Solving, Communicating & Representing and Connecting and Reflecting will be further developed in the following courses:

Workplace Math 11 (4 credits)

This course may be of interest to students wishing to make direct entry in the workforce or pursue a career in the trades, but will not necessarily satisfy university requirements. This course builds on the skills learned in Workplace Mathematics 10 and leads to Workplace Mathematics 12.

Themes: Financial Literacy, Interpreting Graphs, Statistics & Probability, Rates of Change and 3D Objects.

Foundations of Mathematics 11 (4 credits)

This course is designed for students wishing to pursue post-secondary programs at college and university. This course builds on the skills learned in Foundations & Pre-Calculus 10 and leads to Foundations of Mathematics 12.

Themes: Financial Literacy, Statistics, Mathematical Reasoning, Graphical Analysis, Angle Relationships and Scale Models.

Pre-Calculus 11 (4 credits)

Pre-Calculus 11 is designed for students wishing to pursue post-secondary programs at college and university. This course builds on the skills learned in Foundation & Pre-Calculus 10, with an emphasis on the algebraic content, and leads to Pre-Calculus 12. The intent of the Pre-Calculus program is to prepare students for post-secondary studies in a Calculus-based field (Sciences, Engineering).

Themes: Financial Literacy, Radicals, Quadratic Functions, Algebra, and Trigonometry.

**Also offered in French based on course requests.*



Languages

Tłıchq 11 (4 credits)

Similar to our grade 10 course, this class is an inclusive environment for students who want to continue their journey learning Wìlìideh/Tłıchq Yatì. Students will continue to be immersed in the language and get hands-on experience through Cultural activities and trips on the land. During the course, students will study new units to expand the topics that they are comfortable talking about. As with our grade 10 course, our activities will be open-ended allowing students with a variety of abilities to participate and learn. Advanced students will have the opportunity to expand their knowledge of the language by using new verb forms and tenses in longer, complex sentences.

Post-Intensive French 11 (4 credits)

This course is for students continuing their French language proficiency development based on the neurolinguistic approach. It builds on prior knowledge acquired in PIF 9. There is a focus on oral skills developed through authentic communication in the classroom. At the same time they continue to explore more detailed strategies for reading and writing. Activities are project-based and based on themes.

Core French 11 (4 credits)

This Core French course continues to build on the language skills developed in previous Core French classes, and move linguistically to more comprehensive use of language skills in reading, writing, and listening. Students will continue to examine strategies that help them learn and understand a second language including oral presentations, written work and other interactive activities.

Communication orale 11 (4 credits)

This course allows French Immersion students to further develop their French language skills. The course provides students with opportunities to explore original texts, as well as to create, write, and share their own texts for a range of purposes and real-world audiences and to develop active listening skills. Through processes of drafting, reflection and revising, students will build a body of work for a range of language situations.



Physical Education

Active Living 11 (aka Traditional PE) (4 credits)

Active Living 11 As they integrate physical activity into their daily routines and leisure pursuits, students adopt lifestyles that reflect concepts of healthy, active living. They gain an understanding and appreciation of factors that influence the health and welfare of themselves and others. As students participate in co-operative and competitive activities, they apply motor abilities and refine movement skills and concepts. As students participate in physical activities, they develop and reinforce constructive, positive personal behaviors and safety practices. Students analyze, perform, and supervise physical activities in a variety of diverse roles.

Fitness and Conditioning 11 (4 credits)

Fitness and Conditioning 11 is designed to build an understanding of exercise science, improve physical fitness, and empower students to make informed choices for a healthy and active lifestyle. Students will use the principles of program design, including training principles to enhance personal fitness levels, such as the FITT principle, SAID principle, and specificity. In addition, they will be taught proper nutrition, basic body anatomy and the dangers of performance-enhancing supplements. Students should be able to reflect on their progress throughout the course and focus on active participation, goal-setting, and applying knowledge to their individual fitness performance. Students will be evaluated on their ability to develop and maintain healthy fitness goals.

Outdoor Education 11 (4 credits)

This course emphasizes leadership, goal setting, and essential outdoor survival, navigation, and recreation skills through a variety of hands-on activities. Students will develop lifelong health and safety skills while learning to use outdoor equipment and technology effectively. The curriculum integrates local culture, tourism, trip planning, and navigation, with a strong focus on outdoor survival and preparedness.



Arts Education

Drama 11 (4 credit)

This program is designed to cover a range of drama techniques working towards two performances, a musical and a stage play. Preparation for the class performances will require after school rehearsals and some weekend work leading up to the shows.

Theatre Production 11 (Drama Tech) (4 credits)

This program allows you to explore the technical aspects of lighting, sound, set preparation, props, costume, set painting, and design. You will be required to help outside of school hours for performances.

Choral Music 11 (Choir) (4 credits)

This course is for students who like to sing and for those who want to improve their singing voice and learn how to work better in a group. Students will learn how to improve their vocal range and technique, sight-reading skills and listening skills by practicing in each class and by giving a performance at the end of the semester.

Instrumental Music 11: Guitar (4 credits)

This course is for students who already play the guitar and want to build on the skills that they have. Students learn more advanced playing skills such as melody reading, and how to play chord progressions more fluently, riffs, fingerpicking and ensemble playing. There is a performance at the end of the semester.

Instrumental Music 11: Concert Band (4 credits)

This course is for students to continue to build their skills on a band instrument. Students will play each class so that they improve their technique, sight-reading skills and listening skills with a performance towards the end of the semester. Course work involving both solo and ensemble playing is designed to encourage self-confidence, improved self-esteem and self-expression with the goal of being a strong group member.

Art Studio 11 (4 credits)

This course is primarily a studio-based course that also addresses related art theories, art history, and career exploration in fine and commercial art. Studio activities will include art experiences in drawing, painting, composition, design, and form.



Applied Design, Skills & Technologies

Automotive Technology II (4 credits)

Automotive Technology II builds on the skills developed in Power Technology 10, strengthening students' knowledge on the fundamentals of mechanical systems and introduces students to essential automotive repair and maintenance procedures. Students will explore vehicle systems, diagnostics, and the use of technical manuals while developing hands-on skills with automotive tools and equipment. The course emphasizes safety, precision, and troubleshooting, preparing students for further studies or careers in the automotive and mechanical industries.

Computer Programming II (4 credits)

Students in Computer Programming have diverse learning pathways. They can focus on mastering skills like Photoshop, digital art creation, video editing and shooting, or 3D modeling. Alternatively, they can opt for computer science and engineering modules, including computer building, C++ coding, or architectural 3D modeling using Fusion 360. Students are able to mix and match areas of interest.

Media Design II (4 credits)

Students in Media Design engage in a dynamic exploration of digital creativity. They can develop skills in graphic design, digital illustration, photography, video production, animation, and 3D modeling. The course focuses on visual storytelling, media composition, and interactive design, giving students hands-on experience with industry-standard tools like Photoshop and Premiere Pro. With the flexibility to tailor their learning, students can mix and match areas of interest to create unique and compelling media projects.

Graphics Production II (4 credits)

Students in Graphic Production explore a variety of creative and technical pathways. They can develop expertise in areas such as Photoshop, digital illustration, photography, video production, and 3D modeling. The course emphasizes hands-on learning in graphic design, print production, and multimedia creation. Students have the flexibility to mix and match areas of interest, allowing them to tailor their projects to their strengths and aspirations in the visual communication industry.

Cosmetology II (4 credits)

Cosmetology II allows students to build on skills and knowledge from Cosmetology 10. Students learn new haircutting techniques, basic hair colouring methods, explore skin care and makeup application. Students must be comfortable to practice skills on themselves and others.



Culinary Arts 11 (4 credits)

Students in Culinary Arts 11 will build on their previous knowledge of proper food and equipment safety, recipe proficiency, and efficient use of cutting, measuring and cooking tools. Students begin to explore the various dietary restrictions associated with food and begin to experiment with the artistic elements of the culinary arts. Through hands-on activities and in-depth study of the culinary arts field, this course will help students develop and enact specific plans to refine existing skills or learn new skills! There is a strong focus on teamwork, proper food handling, safety and sanitation.

Robotics 11 (4 credits)

Robotics 11 introduces students to the fundamentals of robotics, including mechanical design, electronics, and programming. Through hands-on projects, students build and program robots using Vex platform to solve real-world challenges.

Metalwork 11 (4 credits)

Metalwork 11 builds upon the foundational skills developed in Metalwork 10, introducing more advanced metalworking techniques, machining, and design principles. Students will develop their ability to interpret and create technical drawings, work with various metals and alloys, and safely operate stationary power and non-power equipment. The course emphasizes precision, problem-solving, and hands-on fabrication, preparing students for further studies or careers in metal fabrication, welding, and machining.

Aviation 11 (4 credits)

Aviation is a course that introduces students to a wide variety of skills that would be useful in preparing for aviation and/or other careers. In addition to the hands-on component of the course, it will also have several research components geared around the aviation industry. Some topics covered will include: Theory of Flight, Stability and Control, Types of Propulsion, Airframes and Sheet metal work, and Remote Controlled Crafts.



Woodwork 11 (4 credits)

This course has been developed to support and encourage students to explore wood as a creative art medium, a potential career path, or a recreational activity. Students will learn to correctly identify and safely use various hand tools, as well as portable and stationary machines, while building theme-based, self-designed projects. It is expected that students will complete two or three projects in this course, one of which will be a major project. These projects will serve as the primary basis for assessing student learning. The comprehensive nature of the projects allows students to experience a sense of accomplishment and demonstrate their skills effectively.

Leadership Courses

Teaching Assistant (4 credits)

Each student must find a teacher who will sponsor them as a Teaching Assistant in their area of interest. Students will work with a mentor teacher in a grade 9 or 10 course as a Teacher Assistant. Throughout the course, students will develop their individual and collective sense of social responsibility while learning lifelong skills. These skills include, but are not limited to, communication, creative and critical thinking, personal and cultural identity, social responsibility, and awareness. Students will apply these skills through experiential learning while mentoring students through planning, reflecting and teaching.

Leadership 11 (4 credits)

This course is designed to give students the opportunity to further develop personal responsibility and leadership skills through the acquisition and application of leadership theory and practice. This course underscores further self development and service to the school community. The course will involve event planning within the school, organizing and helping to run school assemblies, organizing spirit days etc.

Other Courses

RISE 11

RISE 11 is a non-credit course where students will receive a more structured and supported study hall. There will be a teacher there to help them with organization, time management, executive functioning, and provide support for their classwork. Students who regularly check in with their Program Support Teacher may find this class beneficial. Please connect with your PST if you think you may be interested.



Planning Document

	Courses Grade 11 students must have at least 8 courses within their timetable.
1.	English: _____
2.	Social Studies: _____
3.	Science: _____
4.	Math: _____
5.	Northern Studies 11
6.	
7.	
8.	
9.	
10.	
Alternate: If you do not get your first choice(s)	
A.	
B.	